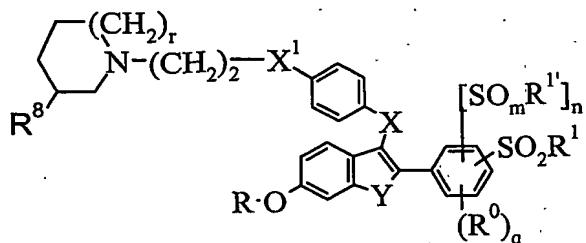


WE CLAIM:

1. A compound of formula I:



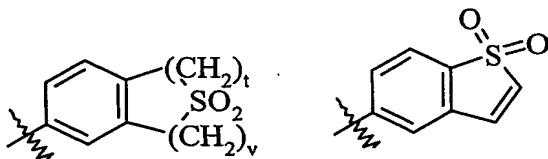
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I;

wherein:

 m, q and r are independently 0, 1 or 2; n is 0 or 1; R is H or COR^2 ;10 R^0 is independently at each occurrence OH, CF_3 , halo, C_1-C_6 alkyl or C_1-C_6 alkoxy;

R^1 and R^1' are independently C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^3R^{3a} , CF_3 or CH_2CF_3 ; or when n and q are 0, the $-SO_2R^1$ moiety may combine with the phenyl ring to which it is attached to form a moiety of formula (a) or (b):



15

(a)

(b);

wherein t and v are 0, 1 or 2 provided that the sum of $t + v$ must be 2;20 R^2 is C_1-C_6 alkyl; C_1-C_6 alkoxy; NR^4R^4 ; phenoxy; or phenyl optionally substituted with halo; R^3 is C_1-C_6 alkyl or phenyl;

R^{3a} and R^4 are independently at each occurrence H, C_1-C_6 alkyl, or phenyl;

 X is O, CH_2 or CO;

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X¹ is O or NR⁵;

R⁵ is H or C₁-C₆ alkyl; and

R⁸ is H or methyl provided that if r is 1 or 2, then R⁸ must be H and that if r is 0, then R⁸ must be methyl; and

5 Y is S, CH₂CH₂ or CH=CH; or a pharmaceutical acid addition salt thereof.

2. The compound of claim 1 wherein m is 2; and r is 1 or 2; or a pharmaceutical acid addition salt thereof.

10 3. The compound of claim 1 or 2 wherein R² is C₁-C₆ alkyl, NHCH₃ or phenyl and the -SO₂R¹ moiety does not combine with the phenyl ring to which it is attached to form a moiety of formula (a) or (b); or a pharmaceutical acid addition salt thereof.

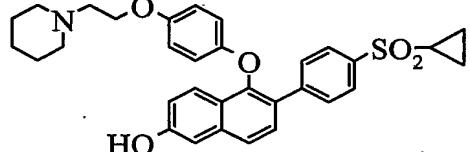
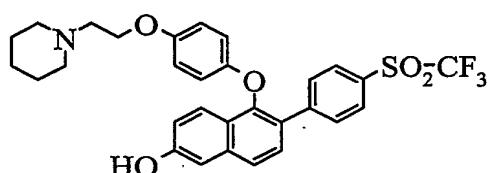
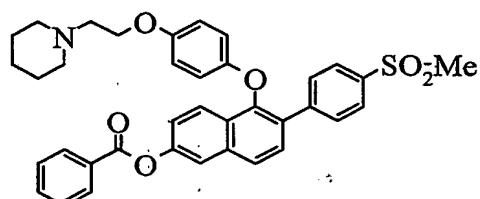
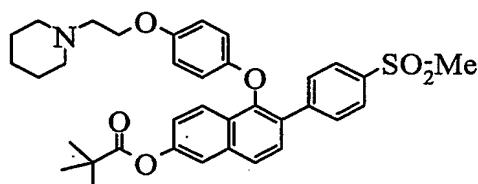
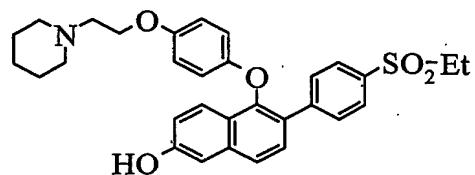
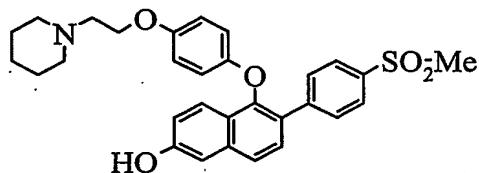
15 4. The compound of any one of claims 1-3 wherein n is 0; q is 0 or 1; the -SO₂R¹ moiety is at the para-position of the phenyl ring to which it is attached; R⁰ is OH, CF₃, fluoro, chloro, methyl or ethyl; R¹ is methyl, ethyl, n-propyl, isopropyl, cyclopropyl, n-butyl, isobutyl, sec-butyl, t-butyl, cyclobutyl or CF₃; R² is C₁-C₆ alkyl or phenyl; and Y is S or CH=CH; or a pharmaceutical acid addition salt thereof.

20 5. The compound of any one of claim 1-4 wherein X and X¹ are O; or a pharmaceutical acid addition salt thereof.

25 6. The compound of any one of claims 1-5 wherein q is 0; R¹ is methyl, ethyl, cyclopropyl or CF₃; and Y is CH=CH; or a pharmaceutical acid addition salt thereof.

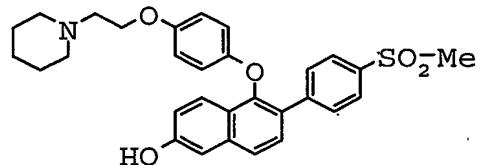
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7. The compound of any one of claims 1-6 selected from the group consisting of:



5 or a pharmaceutical acid addition salt thereof.

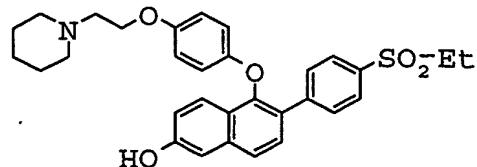
8. The compound which is:



or a pharmaceutical acid addition salt thereof.

10

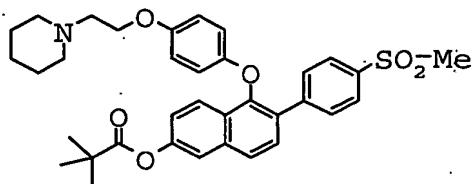
9. The compound which is:



or a pharmaceutical acid addition salt thereof.

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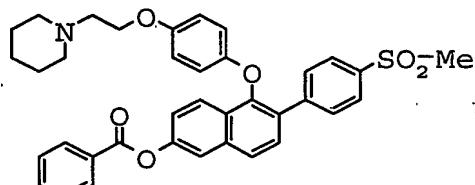
10. The compound which is:



or a pharmaceutical acid addition salt thereof.

5

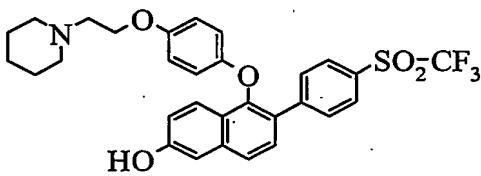
11. The compound which is:



or a pharmaceutical acid addition salt thereof.

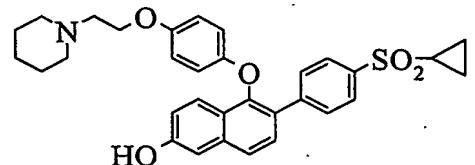
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12. The compound which is:



or a pharmaceutical acid addition salt thereof.

13. The compound which is:



15

or a pharmaceutical acid addition salt thereof.

14. The compound of any one of claims 1-13 which is the hydrochloride salt.

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15. A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof.

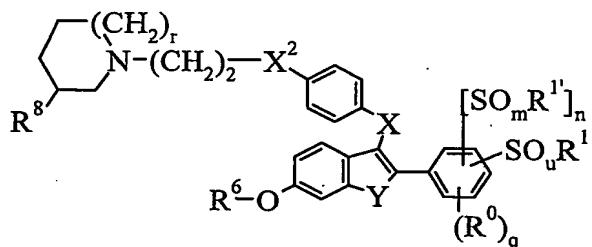
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16. A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof.

10

17. A compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof, for use in treating endometriosis and/or uterine leiomyoma.

18. A compound of formula II:



15

II;

wherein:

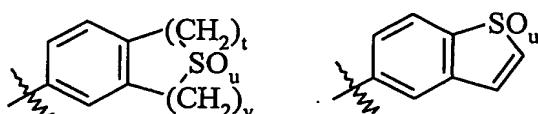
m, q, r and u are independently 0, 1 or 2;

n is 0 or 1;

R0 is independently at each occurrence OH, CF3, halo, C1-C6 alkyl or

20 C1-C6 alkoxy;

R1 and R1' are independently C1-C6 alkyl, C1-C6 alkoxy, NR3R3a, CF3 or CH2CF3; or when n and q are 0, the -SOuR1 moiety may combine with the phenyl ring to which it is attached to form a moiety of formula (c) or (d):



25

(c)

(d);

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wherein t and v are 0, 1 or 2 provided that the sum of t + v must be 2;

R² is C₁-C₆ alkyl; C₁-C₆ alkoxy; NR⁴R⁴; phenoxy; or phenyl optionally substituted with halo;

R³ is C₁-C₆ alkyl or phenyl;

5 R^{3a} and R⁴ are independently at each occurrence H, C₁-C₆ alkyl or phenyl;

R⁶ is H, C₁-C₆ alkyl, benzyl or COR²;

R⁷ is H, C₁-C₆ alkyl or CO₂(C₁-C₆ alkyl);

10 R⁸ is H or methyl provided that if r is 1 or 2, then R⁸ must be H and that if r is 0, then R⁸ must be methyl;

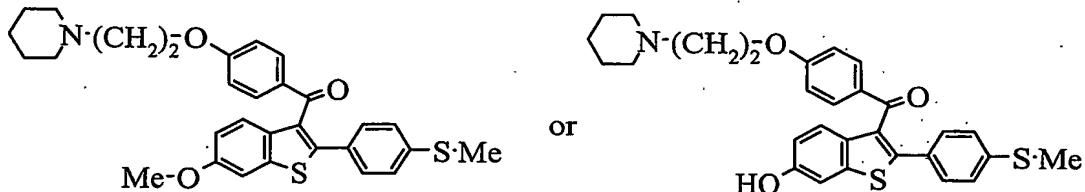
X is O, CH₂ or CO;

X² is O or NR⁷;

Y is S, CH₂CH₂ or CH=CH; or a pharmaceutical acid addition salt

thereof; provided that u can only be 2 when R⁶ is C₁-C₆ alkyl or benzyl; or an acid

15 addition salt thereof; and further provided that the compound of formula II is not:



19. The compound of claim 18, or an acid addition salt thereof, wherein r is 1 or 2; and

- 20 a) if n is 0 and the SO_uR¹ moiety and R⁰ combine with the phenyl ring to which they are both attached to form a moiety of formula (c) or (d), then u is 2; and
 b) if n is 1, then m and u are both 0, are both 1 or are both 2.

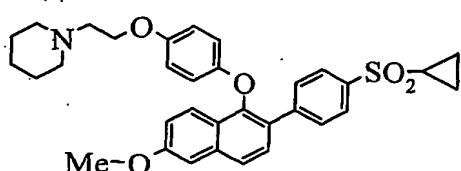
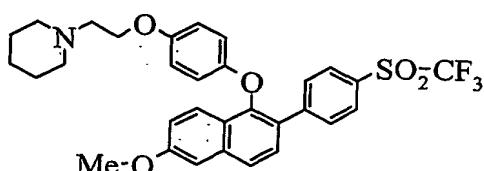
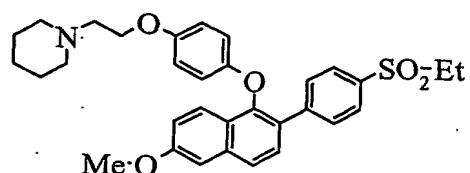
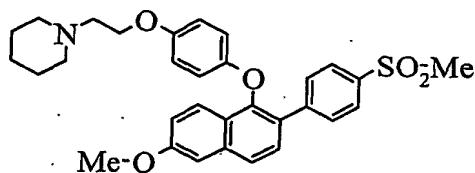
20. The compound of claim 18 or 19 wherein the -SO_uR¹ moiety does not combine with the phenyl ring to which it is attached to form a moiety of formula (c) or (d) and is at the para-position of said phenyl ring to which it is attached; n is 0; q is 0 or 1;

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R^0 is OH, CF_3 , fluoro, chloro, methyl or ethyl; R^1 is methyl, ethyl, n-propyl, isopropyl, cyclopropyl, n-butyl, isobutyl, sec-butyl, t-butyl, cyclobutyl or CF_3 ; R^2 is C_1-C_6 alkyl or phenyl; X and X^1 are O; and Y is S or $CH=CH$; or an acid addition salt thereof.

5 21. The compound of any one of claims 18-20 wherein q is 0; R^1 is methyl, ethyl, cyclopropyl or CF_3 ; and Y is $CH=CH$; or an acid addition salt thereof.

22. The compound of any one of claims 18-21 selected from the group consisting of:



10

or an acid addition salt thereof.